

WHAT IS CLAIMED IS:

1.

A method of offering wall-thickness thinning prediction
 5 information in which wall-thickness data of piping parts
 for specifying wall-thickness values of the piping parts is
 received from a client, and simulated wall-thickness data
 of the piping parts obtained based on the received wall-
 thickness data is offered to the client, the method
 10 comprising the steps of:

simulating behavior of fluid flowing inside a pipe
 line based on said received wall-thickness data of said
 piping parts and three-dimensional layout data of said pipe
 line including said piping parts using a computer;

15 calculating simulated wall-thickness data of said
 piping parts composing said pipe line from change of said
 simulated behavior of fluid; and

sending said simulated thinned wall-thickness data to
 the client.

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2. A method of offering wall-thickness thinning
 prediction information according to claim 1, therein
 said three-dimensional layout data is data sent from the
 client.

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3. A method of offering wall-thickness thinning
 prediction information according to claim 1, therein

said piping parts composing said pipe line to be
 obtained said wall-thickness data thereof includes a piping
 part different from said piping parts shown by said wall-
 thickness data of said piping parts received from said
 5 client.

4. A computer readable recording medium storing a wall-
 thickness prediction program for predicting wall thickness
 of thinned pipes using a computer based on wall-thickness
 10 data of piping parts of which wall-thickness is specified,
 which stores programs making the computer execute:

processing to simulate change of behavior of fluid
 flowing inside a pipe line based on said wall-thickness
 data of said piping parts and three-dimensional layout data
 15 of said pipe line including said piping parts; and

processing to calculate thinned wall-thickness data
 of said piping parts composing said pipe line from the
 simulated change of behavior of fluid.

20 5. A method of planning a piping work plan, the method
 comprising the steps of:

estimating wall thickness of a pipe in a future time
 by simulating behavior of fluid flowing in the pipe; and

planning a plan for replacing the pipe based on the
 25 estimated wall thickness.